

Stress: Not all bad, not all good, but felt by all

City dwellers who think life on the farm is free of stress need to take a closer look at their country brethren, points out Mir-celle Stratanian, Oregon State University Extension human development specialist.

Concern about weather, prices, equipment failure and "plain hard work" add to irritation and fatigue that may be masked from casual visitors or bank loan officers.

Today's farmers are managing large sums of money, being affected by events in other countries and trying to keep up with the latest advances in scientific and technological developments. Farming remains a dangerous occupation with a high risk of accidents.

Stress has its good points, the specialist points out, because the body's reaction to threats provides greater strength and faster reactions which are important to human safety and survival. After the threat is over, the body returns to normal.

However, in cases of mental threats or prolonged stress, "stress energy" is not used for physical exertion. The strain on the body continues and fatigue or serious illness can result.

Among farmers, it's reasonable to suspect that the most stress comes not from the daily possibility of physical harm, but because of concern about unresolved issues and worry about whether or not they made the right choices.

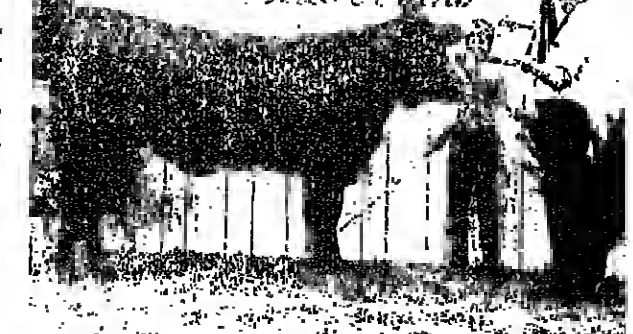
Like others, farmers carry many problems with them, rather than finishing them off, Mrs. Stratanian notes. A clerk of balance and attitudes likely would show that concerns or "stressors" fall into categories seldom recognized or dealt with such as anger, fear and resentment. Like many, farmers go along without taking action to resolve fears, over-labor and under-labor, technological and life changes, and other uncertainties.

Some scientists investigating the problems of stress point out that it can prompt creative thinking that finds inventive ways to handle troubling situations. But when many things go wrong at once or over a long time, body defenses weaken.

Not every farmer reacts to stress in the same way. Each judges stress according to how serious the problems seem to them. Some people seem to be "stress seekers" who function best when time and pressure are most intense. Others just don't get as worked up.

The individual's belief system will determine how stressful a situation is. If a farmer thinks farming is boring and unrewarding, then each new stressor adds fresh insult to an already troublesome burden, Mrs. Stratanian explains.

If the farmer finds his work challenging and rewarding, problems are more quickly resolved. They are just part of the job.



GELBIEH SHOW—John Cooper, Mountain View, Mo., exhibited this year's reserve grand champion Gelbveh, female during the American Gelbveh Assn. Junior National Heifer Show, Fromont, Noh. The heifer originated from the Cooper Bros. & Assn. herd, Mountain View, Mo. The 1980 daughter of Barsfoot won the Jan.-Feb. heifer class earlier in the day. Pictured at the halter is John Cooper, Dr. Miles McKee, Kansas State University, Manhattan, Kan., holds the awards.

Strang purchases Wagon Box herd

A major transaction in the Herford industry was recently announced by the Thomms & Jones, Sales Management firm on the sale of Wyoming's famed Wagon Box Ranch herd at Story, Wyo., to Michael Strang Herefords, Carbon-dale, Colo.

The Wagon Box Ranch, perhaps better known as WBR Herefords, was for many years owned and operated by Erle Simpson. Simpson's sudden death last fall necessitated the sale of the herd in order to settle the estate. The herd was one of the strongest ground of Real Prince Domino breeding. The prominent Evan Mischief sire, Conturian, co-owned with Bayers Herford Ranch, Twin Bridges, Mon-

tana, and a number of his sons were used in the herd quite extensively in recent years. The WBR herd, numbering some 280 head of cows, and yearling heifers, joins another strongly bred Evan Mischief herd owned and operated by Michael Strang, Carbon-dale, Colo. Strang was impressed with the quality and breeding of the herd and was pleased to find such a hard to complement his own breeding program.

Comments

Several weeks ago we visited with you about the Denver "beef battle" between Safety Stores and King Soopers. Denver based King Soopers, long the advocates of Choice graded beef, is now pushing Good beef in its stores across the country. Safety calls their Good beef "Quality" while King Soopers is merchandising its beef as "Genor-ic."

Last night, in a Safeway store here in Denver, we overheard a butcher explaining to a customer between Choice and high Good. About \$0.50 a lb., he told her. And, he said, my family can't tell the difference between high Good and Choice in the beef we eat.

We've just returned from California where we shopped in a major chain store and noted that its customers have no choice but to buy the store's own labeled beef—no decisions between Choice and Good as is the case here in Denver. So, we bought some lamb chops instead—a terrible mistake! While the chops looked great in the bin, they were so tough we'd never buy lamb chops from that store again, believe me.

Obviously, we don't think that particular chain gives a hoot about merchandising lamb. They made it available, period.

Beef, however, is a different proposition. The highest per capita consumption of beef in North America is in Southern California. There, beef is still king. While Choice beef tops at \$1.04 in the Midwest this week, the same grade sells up to \$1.17 in California.

Furthermore, so-called no-roll beef has been selling in California markets for many years. This ungraded beef, which would probably grade high Good, is about to take off across the nation. The retailer appreciates the growing consumer demand for leaner beef, but he is going to make sure the consumer comes back for more—he won't want to repeat our lamb chop experience in his stores!

What's ahead? First of all, the retailer is way ahead of the rest of the industry. He understands how the meat chain works. Watch USDA beef grading. Remember last year when we reported the grading service in Arizona and Southern California accommodated the market by grading half as many cattle Choice as normal? In the opinion of some market watchers, the proposed grading changes have probably already taken place—a market response to consumer demand.

Placements hit ten year low

USDA's recent seven state cattle-on-feed report was highlighted by the lowest placement figures in 10 years. The 72% placement figure surprised analysts who were predicting figures in the 77-89% range.

Marketings were 106% of last year, an extremely optimistic figure for the industry, analysts agreed. "The cattle feeding industry couldn't have had better news," said Dick Hummel, analysts with Farmers Grain and Livestock. "The report is just what they needed."

The report, termed bullish by analysts, showed total cattle-on-feed in the seven largest cattle feeding states at 94% of last year, or 6.45 million head.

For a complete summary of the USDA C-O-F report, see page 3.



McMillan highlights philosophy changes

By LEE PITTS
Over 500 participants at the International Ranchers Roundup in Del Rio, Texas, listened to C.W. "Bill" McMillan, assistant secretary and agriculture, as he outlined the current administration's attitude toward the ranching community. "We in Washington are well aware the cattle business right now is sick. The cow business isn't going to get better," said McMillan, "until the economy gets better and that is the number one priority of this administration."

McMillan outlined some of the changes affecting the ranchers brought about by the new tax bill recently signed into law by Reagan. There have been major changes made in estate taxes, changes that will no longer make it necessary to sell the ranch to pay estate taxes said McMillan. Under this new law, when the first spouse dies there will be no estate taxes. Along these same lines the yearly gift allowance has been raised to \$10,000 per year. Depreciation schedules have also been changed; for example, a ranch pickup can now be depreciated over three years and some single-use buildings in five years. This speed up in depreciation, according to McMillan, will allow bigger tax savings and hopefully stimulate the economy.

Perhaps the best news that McMillan gave the ranchers was the change in attitude of the present administration. "In the past one of the great lies," said

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Demand for ungraded soars; registers ring with big sales

Growing consumer demand has pushed ungraded beef sales to as much as 50% of total beef volume at some U.S. grocery chains, according to supermarket and meat industry sources. Called No-Roll beef in

soma stores and generic beef in others, the meat would probably be stamped Good if graded by USDA, according to Frank Strub, vice-president of meat merchandising for Safeway Stores, Inc.

About 2 1/2 years ago, Safeway started to test ungraded beef in San Diego, Strub said. Safeway does not sell ungraded beef in all its divisions with the exception of the Dallas and Seattle markets. The ungraded beef Safeway sells must meet certain Safeway quality specifications and is labeled as "Safeway Quality Beef," he said. The No-Roll beef is selling at the greater rate than Choice beef, Strub said.

"Since the largest supermarket chain in the country (Safeway) that built its reputation on Choice beef is now selling ungraded beef, it says something," said

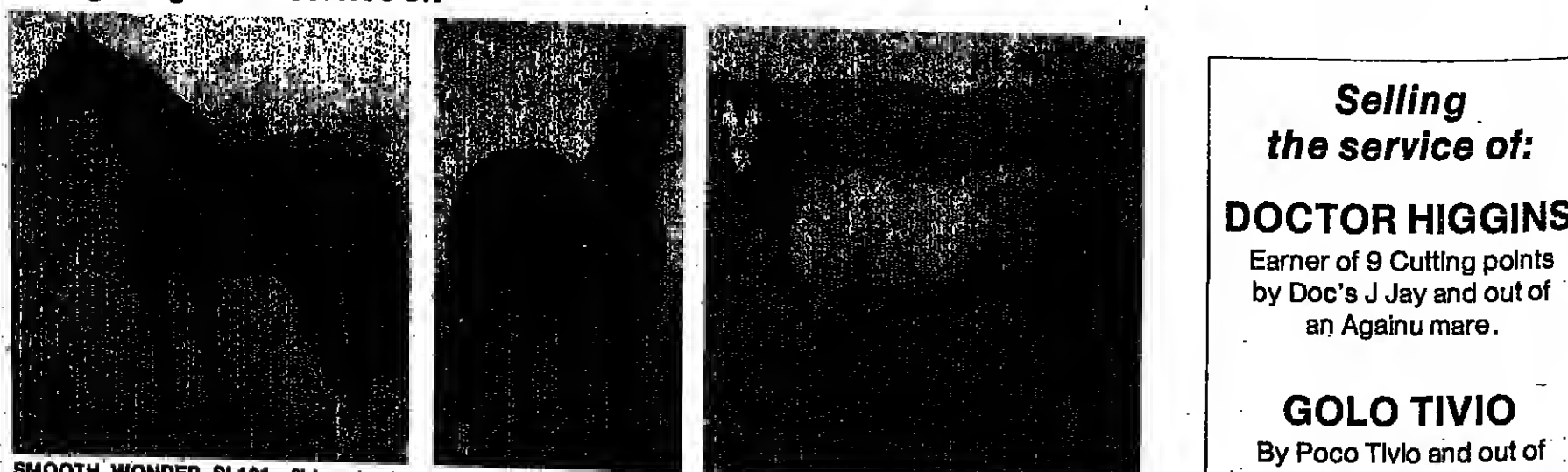
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STANLEY GLOVER ANNUAL QUARTER HORSE SALE

Preview 10:00 a.m. Saturday, September 5, 1981 Sale 1:00 p.m.

Yearlings Two-year-olds at the ranch • Colorado Springs, Colorado Bred Mares Futurity Prospects
Selling approximately 80 head

Selling the get and service of:



SMOOTH WONDER S1-101—Stakes placed winner of 7 races earning over \$8,900. He is by the late Jet Smooth AAT, AQHA Champion, a leading sire and full brother to the Leading Sire of Money Earners: Easy Jet, Smooth Wonder is out of Mighty Wonder 2 AAA, a multiple Race ROM and Stakes Winning producer by Mighty Tall.

DOC'S J JAY—5 Halter class wins and earner of 6 Cutting points. Sure of the Get Of Sire Champion for the Colorado State Fair and the New Mexico State Fair, plus several Show ROM and Halter point earners. An Outstanding Sire and one of the best sons of Doc Bar!

DOCTOR GREYBOW—He Sells 1976 grey stallion. Heifer class winner by Doc's J Jay, one of the best sons of the Immortal Doc Bar, sire of 24 AQHA Champions and 109 Show ROM. He is out of an own daughter of Conduct Code (TB). Doctor Greybow is already a proven sire with limited exposure.

Sale Managed by:
Dean H. Parker - Thane E. Lancaster and Associates, Inc.
Contact: **THANE LANCASTER**
208/326-4978 • Route 2 • Filer, Idaho 83328

Selling the service of:
DOCTOR HIGGINS
Earner of 9 Cutting points by Doc's J Jay and out of an Aganu mare.

GOLO TIVIO
By Poco Tivio and out of a Mr Gold 89 mare.

Horsemeat scandal results in export ban

The Australian meat company, Pro-Freeze, has been "disregistered" by the Bureau of Animal Health and can no longer export meat following confirmation that horsemeat was found in some beef shipments originating at the plant near Melbourne, Bureau Director Bill Gee told Unicorn News.

Gee said the bureau has no evidence to suggest shipments from Pro-Freeze went to any country other than the U.S. Meanwhile, various Australian authorities are investigating how horsemeat got into the beef shipments. In addition to the sanctions against Pro-Freeze, Gee said: shipments from seven other boxing rooms in the same complex are being watched closely.

Pro-Freeze is one boxing area in a complex that includes eight boxing rooms and a killing area owned by Protean Holdings Pty. Ltd., according to industry sources. Protean had leased the boxing room to Pro-Freeze. Australian officials say the substitution of horsemeat and beef probably did not take place within the packing house because it is inspected by the common-

wealth government. There is growing suspicion the cartons were removed and horsemeat added, sources said. Documents then may have been falsified, according to sources close to the investigation. The Protean slaughtering plant killed only cattle and sheep, not horses, according to the officials. Cattle Council of Australia.

Thanks for 35 years

She was just 17 years old when she interviewed with the late Nelson R. Crow for a job with Western Livestock Journal. This year was 1946 and the publication was located in the old Los Angeles Union Stockyards, Vernon, Calif.

Thirty-five years and two company moves later, Irene Field is a director, partner, and controller of the firm that publishes Western Livestock Journal and four other industry publications.

A surprise party at the now Denver-based company headquarters honored Field for her 35 years of service to Western Livestock Journal and the publishing firm. Letters and gifts from current and former employees and friends of the company

was capped by a special gift from the firm presented by President Dick Crow, himself just a beginning employee in 1946.

(Continued on page 11)

WLJ staff extends...

is Executive Director Andrew Robb, said some estimates put the amount of horsemeat shipped to the U.S. as high as 6000 lb.

No companies other than Pro-Freeze are believed to be linked to the activity, Geo said.

Australian Meat and Livestock Corp. officials are searching computer files to try to identify all Pro-Freeze shipments made in 1981.

Any Pro-Freeze shipments found in Australia are being impounded, according to one official. Australian federal police have been brought into the case to collect evidence for possible criminal charges. Officials said the actual exporting of the meat was done through other Australian exporters, whom they declined to identify. Pro-Freeze is believed to have sold its meat to several exporters licensed with the AMLC who may not have been aware that any adulteration of the meat had taken place, one source explained.

Australian authorities are hopeful their quick action in investigating the bogus beef will discourage any reprisals from the U.S.

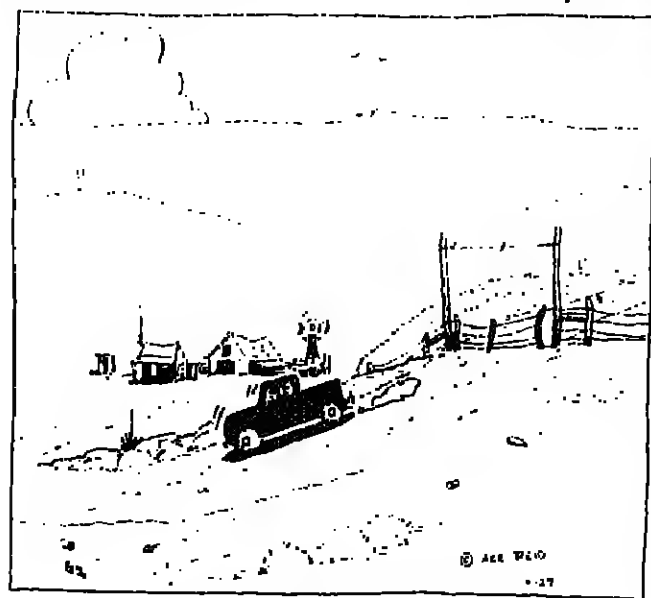
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NEWSPAPER (priority handling)

NEWSPAPER (priority handling)

COW POKE

By Ace Reid



"Now if we hadn't spent a bunch of money improvin' this place it shore would look like heck!"

Reagan asks for delay in export subsidy action

Two Reagan administration officials recently asked that a Senate proposal to increase the ability of the U.S. to subsidize export credit rates to be tabled, reports CNS.

The officials expressed "cautious optimism" European nations will agree with the U.S. that they need to cut the level of subsidy on interest rates used to finance their exports.

Robert Cornell, deputy assistant treasury secretary for trade and investment policy, and William Draper, president of the export-import bank, said at a Senate hearing recently the European Economic Community will try to come up with a unified position on raising interest rates used to subsidize exports before

the next meeting of the 22-nation group on export policy in October. However, Senator John Heinz (R-PA.), and chairman of the Senate Banking subcommittee on International Finance and Monetary Policy, pushed a bill he co-sponsored that would authorize an extra \$1 billion to the Export-Import Bank. That money would match "predatory" export credit offers of trade competitors if no agreement barring subsidy financing is reached within a year, according to Heinz.

At the hearing, he said that although the administration had objected to the subsidized interest rates, "it has been unwilling to go beyond the stage of tough talk and to take action." Cornell said he was

"skeptical" about EEC intimations that it might adopt an export credit subsidy negotiating position more to the liking of the U.S.—which opposes all such official credit subsidies. However, he said he wanted the Senate bill to be tabled until the U.S. can hear the new EEC position.

Draper said if the decision to raise export interest rates is not made at the October meeting, the international agreement controlling those rates will "lose any remaining effectiveness as an instrument of

international discipline." If no progress is made in the talks, Draper advised the increase use of long-term U.S. credit for exports, forcing competitors to import more U.S. goods than they desire, risk losing the business of U.S. suppliers.

Cornell said the administration had placed a high priority on negotiating lower export subsidies and would target bank resources against those countries that obstruct progress in export credit negotiations.



COMMERCIAL ANGUS PRODUCERS—Cornelius Ostrum and Richard Ostrum both of Fairhill, Mont., are commercial Angus producers out to see the results of the Gold Block Angus, Ruyd, Mont., breeding program. (Staff photo by Ralph Heinemann)

Letters

Debate goes on

Just noticed Dick Crow's Comments editorial for July 27, on the subject of the "Beef Price War" going on between Safeway and King Soopers. Down toward the end of the article you made the comment that both chains should have offered USDA Choice and Good grades of beef rather than coming up with their own private label or some other name.

It seems to me that government grades are one of the major problems in our industry; in fact it is one of the chief reasons why live and dressed beef prices tend to settle lower rather

than higher. When USDA grades are emphasized in advertising is very difficult for retail segments of the industry to "morphandize" their product—Beef.

In a similar vein, if the sale of stocker and feeder cattle were as closely tied in with a USDA grade as fed cattle are, which product was then published in marketing reports in as exacting a manner as the sale of dressed beef is, I doubt very much if the cow/calf segment would be so unenthusiastic about maintaining the USDA grading system.

Fren M. Simpson, Jr.
Manager-Secretary
Calif. Cattle Feeders Assn.
Bakersfield, CA

Video Cattle Auctions



20,000 HEAD
YEARLING-CALVES
SATURDAY,
SEPT. 5, 1981
1 p.m.
DENVER, COLORADO

An opportunity to buy choice "High Allitude" cattle direct from the ranch!

SECOND SALE TO BE HELD OCT. 31
For information contact:
Odele
Cumberland
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303/642-2822 • Box 248
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"LITTLE BIT OF HUMP AND EAR"—These straight-backed little fellows are 1/4 Brahman x 1/4 Angus x 1/4 Hereford products of a Brahman crossbreeding study being conducted by OSU at the Southwestern Livestock and Forage Research Station at Fort Reno, Okla. Their "little bit of hump and ear" may soon be a sign of quality to cattlemen, rather than a hindrance.

Lyng says acceptance assured for farm bill

Congressional acceptance of the Reagan administration's free-market farm bill proposals now is virtually assured, despite differences that still have to be ironed out with Congress, Deputy U.S. Agriculture Secretary Richard Lyng said.

Lyng said the administration was continuing meetings with dairy interests to work out differences on dairy support programs. Regarding the Soviet Union, consultations to consider further U.S. grain sales above the 8-million-ton maximum now provided for in the extended U.S.-USSR agreement will take place in late September or October. Negotiations for a new long-term agreement with the USSR may begin then also, Lyng said, but there definitely will be a

Three major areas in which Congress and the administration differ have been peanuts, sugar and dairy legislation. The ad-

ministration reportedly has softened its stance to completely dismantle the peanut allotment and quota system, and also has agreed that there may be some sugar support provision in the bill—both in exchange for Democratic support for the Reagan administration tax and budget bills.

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meeting on negotiating a new agreement before the end of the year. During his speech, Lyng reiterated the Reagan administration's opposition to proliferation of bilateral grain agreements. But he indicated, as government officials have previously, the Soviet Union, China and Mexico represent special cases that warrant bilateral trade pacts.

Lyng, who recently returned from China, said Chinese grain imports of about 15 million tons will probably not increase above that level for the next few years, but later added it would be a mistake for the U.S. to underestimate the potential of the Chinese market. The Chinese still want to achieve self-sufficiency and are concentrating improvement efforts on range lands and ef-

iciency in hog production. Although Lyng said he expected China to continue importing more wheat than coarse grains during the next few years, he noted China is very interested in using corn for both feed and roasting purposes.

Lyng also reiterated the administration's program to fight proposed trade restraints in the European Economic Community, and threatened strong retaliatory action if the EEC places import levies on vegetable oils and non-grain feed ingredients. He declined to specify what those retaliatory measures would be.

Along that line, the Reagan administration remains opposed to U.S. domestic legislation now pending to implement labeling and trading restrictions on imported meat.



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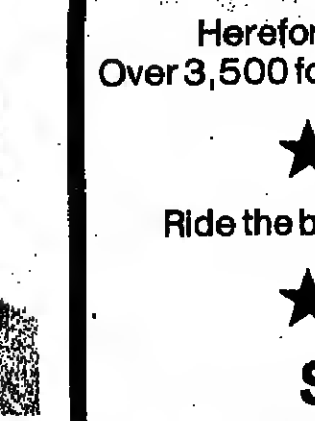
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For a few years during the '70s, the firm was based in nearby Henry, Neb., with property also on the Wyoming side, then sold the Henry property some four years ago and established headquarters once again at Jay Em.

Another relatively recent move about two years ago found the herd split between Waggoner and brother-in-law Leroy Grapes, who also had been associated with the firm for many years. Both herds continued to run adjacent to one another at the Jay Em location, sharing some labor and usually selling seedstock jointly in production sales at one ranch or the other.



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In one of the breed's major private treaty transactions during 1981, the Waggoner Herefords registered herd, located at Jay Em, Wyo., was sold in its entirety along with complete ranch holdings to Cundall Herefords, Wheatland, Wyo.

Waggoner Herefords, owned and operated for a number of years by Boh Waggoner and family, was originally established by his father Joe Waggoner.

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Budget constraints prompt change in school program's procurements

Recent administration budget constraints probably will prompt changes in the school lunch program and may change the size of serving in the average school lunch, USDA officials told CNS.

According to Marvin Kakin, head of the food branch of USDA's Food and Nutrition Services, USDA will be moving away from purchases of highly processed food products during 1982 and will focus more on raw products. He said an increased emphasis on purchases of raw products, including meat and poultry items, would allow USDA to get more food for its dollar and to remove the maximum possible amount of surplus commodities from the market with USDA surplus removal funds.

The stabilization of agricultural prices through

purchases of surplus commodities is one of the foremost functions of the school lunch procurement program.

Eskind said that USDA will have about \$408 million to use in purchasing, transporting and handling commodities for school programs for fiscal year 1982, down significantly from the \$615 million allocated in fiscal 1981. However, despite the reduced funds available for fiscal 1982, USDA purchases of high protein items, such as meat and poultry, may nearly equal fiscal 1981 procurement volume. Donations of high-protein items are very popular with schools, he said.

During the 1981-82 school year, USDA probably will be buying somewhat less of about everything for don-

tions to schools, according to Connor Kennett, chief of USDA's Poultry and Dairy Quality Division. He said substantially less processed poultry will be purchased by USDA during the upcoming school year. For instance, USDA will probably be substituting purchases of cut-up chicken for previous purchases of such items as cooked breaded chicken, and more purchases of whole turkeys instead of turkey rolls, Kennett said.

With the exception of some canned pork and beef, processed products have not figured prominently in USDA's past red meat purchases, Henry Ehler, chief procurement for USDA's Livestock, Meat and Grain Quality Division told CNS. Ehler said it may not be possible to eliminate canned meats entirely from the mix of foods USDA buys

for school lunches since schools like these items because they can be stored easily.

Ehler said surplus removal funds, one of the sources of school lunch program procurement monies, have traditionally been used to finance most of the pork and beef USDA buys. He said beef and pork probably will again be eligible for these funds during 1981-82 because of somewhat depressed market for those products. However, he said USDA generally does not commit surplus-removal funds to specific commodities. These funds are sometimes reallocated as commodities unexpectedly come into surplus as the school year progresses.

Between Oct. 1, 1980, and July 1, 1981, USDA school lunch procurements

included 19.6 million lb. of breaded chicken, valued at \$16.2 million; 39.9 million lb. of cut-up chicken, valued at \$24.7 million; 2.4 million lb. of drum sticks and thighs, valued at \$1.4 million; 12.3 million lb. of turkey rolls, valued at \$14.3 million; 37 million lb. of whole turkeys, valued at \$27.1 million; 604,000 lb. of chicken patties, valued at \$678,000; 8.4 million lb. of canned breaded poultry, valued at \$10.7 million; 490,000 lb. of turkey necks, valued at \$588,000; 39.3 million lb. of frozen ground pork, valued at \$47.6 million; 11 million lb. of canned pork, valued at \$14.8 million; 43.9 million lb. of beef, valued at \$58.5 million; and 216,000 lb. of meatball stew, valued at \$217,000.

In addition to changing commodity purchase pat-

terns, USDA is considering changes in the meat standards it imposes on schools participating in the lunch program. These changes are being considered because FNS officials feel that the reduced meat subsidies schools will get in fiscal 1982 may cause some schools to drop out of the program.

An FNS task force recently recommended allowing elementary schools participating in the lunch program to serve a minimum 1.5-ounce serving of meat, poultry or meat alternative per school meal. The current required minimum serving size is 2.0 ounces.

FNS reportedly is considering implementing this change soon to allow schools to adopt the cost-saving measure early on in the 1981-82 school year.

Researchers predict Western growth trends:

Range prices to fall, Denver, Salt Lake to be strip cities

It is the year 2020. The Great Basin-South Rocky Mountain sub-region contains contrasting economic, environmental and political situations.

Denver, and Salt Lake City are strip cities, running more than half the length of their respective states—and are models of city environments.

These predictions are a result of the Western Regional Studies Project at Los Alamos Scientific Laboratory made for the federal government by professors from Colorado State and New Mexico State Universities.

Dr. John McKean, CSU economics professor, and Dr. Joel Diemer, agricultural economics professor at New Mexico State University, sifted through mountains of information from a number of sources, including experts in various disciplines at their respective universities, before compiling their 14-page summary report.

The 10 inland west states studied are North Dakota, South Dakota, Montana, Idaho, Wyoming, Nevada, Utah, Colorado, Arizona and New Mexico.

That region was broken down into four sub-regions, each representing a somewhat homogeneous entity

from the standpoint of physical characteristics, economic structure, business climate, development potential and regional vs. national political trends.

The Great Basin-South Rocky Mountain sub-region is composed of Nevada, Utah, Colorado, northern Arizona and northern New Mexico.

In the opinion of McKean and Diemer, the year 2020 in this sub-region will look like this:

The large coal strip mines of southern and eastern Utah and western Colorado, have, for the most part, been shifted to alcohol production for use in the automotive and transportation sector. Giant, coal-fired, electric power generation plants, how worn out and obsolete, stand idle.

Coal and coal-derived alcohol from the tree provide a major source of export revenue for the nation.

The vast regions of Nevada serve as a relatively safe place for stationing receptors for solar satellite transmission. Nevada and southern Utah have been selected for solar stations because they are located near the high population centers of California and the Desert Southwest.

While many of the cities

of the Northern Rocky Mountain sub-region are now seen to be temporary, cities in the southern Rockies are continuing to build upon the economic structure begun during the fossil fuel boom period.

viewers and adequate water supplies, tend to attract industries in increasing numbers.

In Denver and Salt Lake City, which are peopled by commercial and industrial management divisions and

the Denver area contain exclusive clubs and resorts available only to the wealthiest residents. Others desiring mountain recreation must travel farther and further to find space in carefully rationed, expensive recreation areas.

Other major central business districts have developed in western Colorado and eastern Utah in the Grand Junction-Montrose-Moab complex and in the Farmington area of north-west New Mexico.

Originally spurred by fossil fuel extraction, these cities continue to grow and develop because of their good climate, continuing coal conversion operations, mining and shale development, and recreation and retirement growth.

Farther north, the site of the original fossil fuels boom in northwestern Colorado, such towns as Craig and Meeker fail to continue their earlier growth trends. A harsher climate and less attractive surroundings, in combination with a declining fossil fuel demand, limit their growth.

Ranchers, who once sold out to coal and oil interests, now find land prices falling and grazing use again attractive.

South of Denver, the heavy machinery and equipment manufacturing area around Pueblo stagnates as demand for earth-moving and coal mining and conversion equipment declines.

To the west, Nevada, which is primarily government-owned, has served as a place for land-based defense systems and experimentation—activities now precluded by population pressure from New Mexico.

Vast defense installations now lie idle, as modern technology requires less and space defense systems. Western Nevada cities thrive as retirement centers and recipients of the California population over-

flow. While the Great Basin-South Rocky Mountain sub-region contains diverse elements and contrasting trends, the northern New Mexico area lies in shortest contrast.

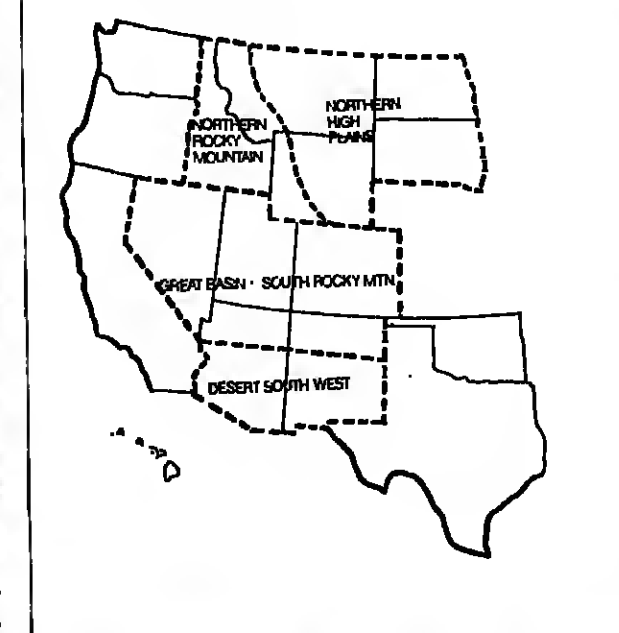
Santo Fe, known for its cultural and religious heritage and its resistance to outside influence, continues to prosper and grow, primarily in non-industrial activities.

Recreation, retirement and cultural activities provide the economic base of the area. Although suffering from the beginning problems of congestion, this area strives to retain much of its original character.

Albuquerque, like Denver, has become more white collar than blue collar. But it still provides services for mining, the military and education.

Solar and geothermal energy provide adequate space heating while cooling is provided by the altitude. This region is now experiencing one of the highest growth rates in the West.

Overall, the Great Basin-South Rocky Mountain sub-region continues to expand rapidly and is one of the three major political power centers of the West.



Although energy extraction no longer provides a large part of the economic base, abundant supplies of solar, geothermal and fossil fuels (in that order of importance), in combination with an attractive climate, nearby mountain

Auction Results

NATIONAL PAINT HORSE
Oklahoma City, Okla., July 31
48 mares \$3,887
19 stallions 4,271
19 geldings 2,980
77 lots 4,881

Auctioneer: Harold Mollath and Phil Schooley
Tops: Chief's Dan Good, a 1975 dun Overo mare by Abee Chial; Lindell, Bennett, Golden, Colo., to T.J. and DeDea Brown, Glencoe, Texas, \$17,100. MS Jessica James, a 1979 bay Overo mare by Jesse James; Jean L. Gerhard, Roswell, Wis., to Heymeke Farm, Ltd., Yukon, \$19,500. Miss Six Feet, a 1977 sorrel Overo mare by Sk Teddy Tob; Bill H. Gollali, Hageman, N.M., to Robert Ingstad, Valley City, N.D., \$10,000. Robina Frosty Girl, a 1979 sorrel Overo mare by Mr. Robin Soy; Robert G. Batholomew, Bakerfield, Calif., to Ronald E. Hill, Richmond, Texas, \$10,000. Farmer Brown, a 1974 sorrel Tobiano stallion by M. Guperson; Gies H. and/or Eve J. Yocel, Laredo, Texas, to Jed R. Imbraguito, Jr., New Orleans, La., \$9,700. Red Sonny Rev, a 1979 sorrel Overo mare by Red Sonny Rev; Circle S Horses, Ltd., Longview, Texas, to Robert Ingstad, \$9,500. Edna Spring Rain, a 1975 sorrel Overo mare by Dr. Don Juan; Jo Ann Mullins, Hyattsville, Md., to Robert Ingstad, \$9,400. Stormy Hancock, Two, a 1978 red roan Overo stallion by Stormy Hancock; Robert O. Koteboom, Cedar, S.D., to Martin and Marie Nelsbom, Corral, S.D., \$9,000. Haduck Lady, a 1975 palomino Overo mare by Diamond Jim; Jack S. Strong, Longview, Texas, to Robert Ingstad, \$9,000. Two Eyed Palomae, a 1990 sorrel Tobiano mare by Star Patch; Robert Ingstad, Okla., to Harlan E. O'Leary, El Paso, Texas, \$8,000. Far Up Raydona, a 1977 sorrel Overo mare by Far Up El Rey; Mike Long, Michele, Utah, to Larry or Neve Passage, Helina, Mont., \$7,700. Shear A Cover Girl, a 1979 sorrel Overo mare by Annal Hank; Bill and Annette Brashers, Midland, Texas, to Patricia Jameson and Jerry Westover, Elgin, Ill., \$7,600. The Duchess, a 1978 chestnut Tobiano mare by The Dutchman; Gerald Moon, Aurora, Minn., to Dale Key Starnes, Aurora, Minn., \$7,250. Angel of the Night, a 1979 black Overo mare by Flash Third Bar; R.O. and/or Beverly Blackford, Blanchard, to Ewell L. Spradlin, LaFollette, Tenn., \$7,200. Miss Leo Speck, a 1978 red roan Overo mare by Spook Patch; Russell W. Moore, Owell, to Donald D. Vaughan, Midland, Texas, \$7,250. Juddie, a 1980 sorrel Overo stallion by Juddie; Lynn

C.J. FRANTZ LONGHORNS
Amarillo, Texas, Aug. 10
91 registered lots \$2,307
13 grade lots 1,292

Auctioneer: Eddie Wood

Tops: Diamond W201, 1970 cow by Long Home King; Baker's Salfar Ranch, Elk City, Okla., \$2,200. Frantz Jazy JOG, 1971 cow by Senor Yales No. 8; Baker's Salfar Ranch, \$4,400. Frantz OG, 1971 cow by Senor Yales No. 8; Baker's Salfar Ranch, \$4,100. Diamond W218, 1978 cow by Diamond W213; Stan Searle, Walsenburg, Colo., \$4,100. Frantz 57/8, 1975 cow by 93/3; Baker's Salfar Ranch, \$4,000. Frantz 12/97, 1977 cow by El Medio B; Baker's Salfar Ranch, \$4,000. Frantz 98/6, 1974 cow by Senor Yales No. 3; Anchor O Longhorns, Belvedere, Kan., \$3,800. YO Samsen Carmela 745, 1974 cow by YO Samsen 239; Trifton Longhorns, Pecos, Texas, \$3,700. Cimarrone, 1978 cow by WR 2530; Danny Deidrick, Estlin, Texas, \$3,700. Ruler's Mile 33/6, 1980 heifer by CT Ruler; Chuck Johnson, King City, Calif., \$3,600. Doherty 804, 1978 cow by Sam Dallas; Stan Searle, \$3,600.

In the last production sale for C.J. Frantz, an enthusiastic crowd of buyers went after the offering in line. Frantz has been breeding Longhorns for years and has had more champions in the show ring than any other Longhorn breeder. All cattle sold were blood typed prior to the sale to insure breed purity. This proved to be a popular concept. Buyers came from Kansas, Colorado, California, Texas, New Mexico and Oklahoma. This was a quick, snappy sale with lots of action.

—LEE PITTS



CALIFORNIA BUYERS—Mark Teasdale, manager, and John Ven de Hove, owner of the Holland Ranch, purchased several females for the Oroville Ranch in California at the Helen's Rich Shinnental Sale in Parker, Colo. (Staff photo by Lee Pitts)

Symposium series highlight stockshow

A trio of livestock industry specialists will present a series of symposiums to highlight the Spokane National Stockshow, premiering Oct. 4-7, 1981. Kathy Storey, show chairman, announced that Dr. Julie Weikel, John Day, Oregon; David Netherton, Genetic Profiles, and Dr. Baxter Black, Denver, Colo., will appear at the stockshow on Oct. 5, 6 and 7, respectively.

Storey went on to explain that the format of the Spokane National Stockshow will be different than that of the traditional livestock show.

"In addition to show ring competition, and a commercial trade show, the Spokane National Stockshow will feature a trio of livestock symposiums," Storey said. "These symposiums are scheduled immediately following each day's judging events, enabling cattlemen to attend without missing any other activities."

The symposiums start off on Mon., Oct. 5, with Dr. Julie Weikel's "Expand Your Concept of Veterinary Services." This presentation covers the need to be aware of the cost effectiveness of the cattleman's veterinary coverage.

On Tuesday, David Netherton, of Genetic Profiles, will explain the computerized linear measuring system designed to predict the genetic make up of an animal's progeny. This includes information such

as fertility, feed efficiency and gainability). Dr. Baxter Black will conduct Wednesday's symposium, speaking on "Cow/Calf Herd Health." Black will also be featured in Tuesday evening's steak fry. His "cowboy" outlook on life, as evidenced by his philosophy, poetry and humor, should make both events well worth attending.

The symposiums, each approximately two hours long, will be both informative and worthwhile to the cattleman. The fee for attending these will be \$9.00 for all three in advance, or \$5.00 individually at the door. They may be purchased by writing, Spokane National Stockshow, P.O. Box 2147, Spokane, WA 99210.

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FGIS accepts charts

The USDA has adopted the Iowa-Illinois high moisture calibration for moisture measurements in corn for national use beginning Sept. 1, a USDA official told CNS recently.

Dules Melone, assistant deputy administrator of USDA's Federal Grain Inspection Service, said the FGIS will begin using the high moisture charts Sept. 1 for moisture content in corn starting at 21.08%. Meanwhile, FGIS will test 1981-crop corn samples for moisture in its laboratories to determine if the charts need to be revised at a later date, he said.

The decision to accept the charts, developed through extensive research by the Iowa-Illinois moisture meter task force, was prompted by nearly all sectors of the grain industry during a moisture meter meeting here recently. The industry officials said the FGIS must accept the charts in order to pave the way for national standardization of grain moisture measurements.

According to industry officials, steps can now be taken to standardize grain moisture test results nationwide and the Iowa-Illinois moisture calibration can be used as the prototype for such a program. Most of the officials said they do not have a concrete plan for standardization, but now that the FGIS has adopted the high moisture calibration a precedent has been set because FGIS charts are recognized around the world as the standard for grain moisture measurement.

MECHANICALLY DEBONED MEAT

Mechanically deboned meat could have a great deal of export potential, primarily because it is relatively inexpensive compared to other U.S. meat products, according to U.S. Meat Export Federation President Alan Middaugh.

However, Middaugh said mechanically deboned meat export potential would be contingent on the USDA changing the name that must be applied to that product, CNS reported.

Under current regulations mechanically deboned meat is known officially as "mechanically processed (beef, pork or veal) product."

Those regulations also require the labels of mechanically deboned meat containing products to denote the product contains a certain amount of powdered bone.

USDA recently proposed new mechanically deboned meat regulations designed to promote consumer acceptance of the product. According to the meat industry, current mechanically deboned meat labeling regulations attach an unnecessary stigma to mechanically deboned meat containing products.

The USDA proposal outlined several options for renaming the product, including terms such as "mechanically recovered (beef/pork/veal)." Middaugh indicated that if the product's name were changed to something more acceptable to consumers, there would be few problems promoting the product in export markets. The federation would promote exports through retail and

USDA source told CNS

that a U.S. meat processor had at one point expressed tentative interest in obtaining USDA export credit guarantees to finance a possible mechanically deboned meat export sale.

Historically, USDA export guarantees have been extended mostly on sales of raw agricultural commodities, such as grain, that appeared on an eligible commodity list. However, under a relatively new policy USDA will consider granting export guarantees on virtually any agricultural commodity that would meet its market development goals, at the request of either importer or exporter.

Agriculture Secretary John Black has stated that one of his policy goals is to increase the amount of value-added products in the mix of commodities the U.S. exports. USDA recently has granted export credit guarantees on such products as pork, poultry and portion-controlled meats.

Middaugh said Egypt, Southeast Asia and Japan are the markets with the most potential, followed by Europe, the USSR and other Eastern Block countries. He said the Japan Hamburg and Hnnburger Assn. cooperative has expressed interest in trying mechanically deboned meat.

However, mechanically deboned meat would probably have to gain widespread use and acceptance domestically before it caught on significantly in foreign markets, Robert Munion, a USDA foreign market development official, told CNS.

One USDA official said the biggest potential foreign markets for mechanically deboned meat would be meat-poor countries where processed meats such as sausages played a big role in meat consumption. He named Poland and Egypt as two examples of such markets.

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Buy the cattle backed by 38 years of Performance Results

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FIELD DAY—SUN., SEPT. 13

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Appeal's court strikes down state's land acquisition law

The U.S. Court of Appeals in St. Louis has struck down North Dakota law prohibiting the U.S. Fish and Wildlife Service from acquiring habitat vital to waterfowl and other migratory birds, the Wildlife Management Institute reports.

The court ruled in favor of the Service which had charged that laws enacted by North Dakota prohibiting federal land acquisition in the state violated federal statutes protecting migratory birds. The court's decision specifies that the Service may acquire prairie pothole habitat in North Dakota, thus protecting such habitat from further agricultural development.

The Fish and Wildlife Service has purchased about 788,000 acres of prairie pothole easements in North Dakota, all bought from willing sellers. Under the easements, landowners may not drain the areas during the waterfowl breeding and nesting season.

The Service stopped

purchasing easements in July 1977 after North Dakota enacted legislation limiting the duration of the purchased easements and requiring gubernatorial consent before any additional easements could be purchased. It is that legislation which the court found to be faulty.

The court ruling is an important one because it apparently would clear the way for the Service to reinstate pothole acquisition in North Dakota. Interior Secretary James Watt recently noted the importance of wetlands to wildlife and gave his support to an accelerated wetland acquisition program.

Almost half of the continent's ducks are produced in the pothole region of the U.S. and Canada. The Eighth Judicial Circuit served by the Federal Appeals Court in St. Louis includes the U.S. District Courts of Arkansas, Iowa, Minnesota, Missouri, Nebraska and the Dakotas.

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C-O-F, grain report generate optimism

NEW INDICATIONS OF CHEAPER feed grain through the remainder of 1981 and a bullish USDA seven state cattle-on-feed report are causing optimism and feeders to reassess business decisions for the balance of the year.

A USDA crop production report issued last week projected domestic corn output of 7.735 billion bushels—above market expectations. Some grain specialists are now saying the crop could rival the record 7.939 billion bushel crop of 1979.

Even the crop report, however, took a back seat to the latest cattle-on-feed report showing a 28% drop from a year earlier in July placements.

Dressed beef prices for choice YG-3 500-700 carcasses continues to average \$104. Choice YG-1, carcasses \$105. Dressed prices have traded in the \$103-106 per cwt. range for four weeks. What's changed is that the carcass cut-out value, which improved margins for boxers has increased demand for carcasses.

With grazing conditions good to excellent in most areas and predictions of a record grain harvest this fall, new optimism in feeder cattle trade pushed prices \$2 higher.

ARIZONA GOOD TO MOSTLY choice slaughter steers \$68; mostly good \$66-67; Holsteins \$63-64.60. California good-choice steers \$64-66.50; good \$63-64.60. Southern desert good-choice \$68.60; good \$67.60. Choice heifers \$63-66; good-choice \$62-63; good \$61; utility-good heifers \$60-60.60. Washington-Oregon mostly choice steers \$66.50-67, guaranteed loads to \$87.65. Mostly choice heifers \$63-66, to \$66.75 with guarantees. Idaho choice steers \$66-66.50. Mostly choice heifers \$62-64.

MONTANA MOSTLY CHOICE steers \$64-66. Mostly choice heifers \$61-62. Wyoming-Nebraska, not enough sales to establish trend. Few steers on carcass basis at \$103.50 delivered. Choice heifers \$63.25-64. Kansas choice steers \$66-66.50; good-choice \$64-66.50; Holsteins \$69-60.60. Choice heifers \$63-64.60; mostly choice \$62-60-63.50; good-choice including heifers \$62-63.60. Colorado mostly choice steers \$66-67; good-choice \$65-66; good, including Holsteins and cullies \$61-63.60; good heifers \$60.25; mostly choice \$63-64; good-choice \$63-64; heifers \$60-62.

NEW MEXICO CHOICE STEERS \$68.26-66.76; good-choice \$66-66; good Holsteins \$62.60. Choice heifers \$63.26-64; good-choice \$63-63.60; good \$63. Texas-Oklahoma mostly choice steers \$66-67; good-choice \$65-66; good, including Holsteins and cullies \$61-63.60; good heifers \$60.25; mostly choice \$63-64; good-choice \$63-64; heifers \$60-62.

CALIFORNIA MD. FRAME #1 376 lb. \$68; 475-860 lb. \$69-81; 725-900 lb. \$69-60. Heifers 676 lb. \$63; 600-775 lb. \$63-66. Washington, Oregon, Idaho md. frame #1 steers 400-600 lb. \$62-66.76; 600-800 lb. \$60-84.50; 800-1000 lb. \$60-60.76. Montana md. frame #1 steers 600-625 lb. \$64-66; heifers 600-726 lb. \$63-67. Wyoming, Nebraska, South Dakota, md. frame #1 steers 500-726 lb. \$63-60-63.60; 800-1025 lb. \$62-20-62.80. Heifers 600-626 lb. \$68-40-69; 700-726 lb. \$60-50.

COLORADO MD. FRAME #1 steers 476-500 lb. \$69-60.70; 500-700 lb. \$62.65-66.70; 726-1000 lb. \$60.25-63.26. Heifers 600-800 lb. \$66.76-81.60; 826-776 lb. \$67-60.60; 726-860 lb. \$67-69. Texas md. frame #1 steers 400-600 lb. \$71.26-73; 400-600 lb. \$66-68.60; 500-800 lb. \$68-67.60; 600-800 lb. \$62-86; 800-900 lb. \$61.60-64.26. Heifers 400-500 lb. \$66.76-60.76; 500-800 lb. \$66-68.60. Midwest choice-prime 90-120 lb. woolled spring slaughter lamb \$64-66.60; 97-118 lb. \$69-10-62.20. Choice-prime 90-120 lb. shorn #1-2 pelts \$66-68.60; 98-111 lb. \$69-82.80. San Angelo, Texas, good slaughter ewes \$20-22; utility \$17-20; cull \$13-17. Midwest utility-good \$12-18.76.

SAN ANGELO CHOICE-FANCY 80-90 lb. spring feeder lambs \$62-68; 80-90 lb. \$56-57; 45-80 lb. \$60-68. Midwest choice-fancy 80-90 lb. \$60-67, few to \$83.60. Mid-good mixed sold to waok mouth stock ewes at San Angelo \$27-38 each. Choice purebred whiteface ewes and bucks sold with yearling ewes in wool; top lot \$400 each; average lot \$120-130 each; 2-3 year olds \$185-260 each. Yearling bucks in wool \$170-260 each.

SIoux FALLS, S.D., FEEDER pigs each, US 1-2 20-30 lb. \$22-60.30; 30-40 lb. \$31.50-38; 40-50 lb. \$38-40; 60-80 lb. \$40-44; 80-70 lb. \$42-46; 70-80 lb. \$45-50. US 1-2 210-250 lb. barrowe-gilts at Omaha \$52.25-52.75, few \$68. US 1-3 240-270 lb. \$52-52.50. US 1-3 sows 300-660 lb. \$44-75-46.50.

Cattle prices are likely to receive near-term support and long term pressure from the cheaper feed prospects, market analysts say. In the near-term, cheaper feed could cause reduced non-fed slaughter. Cheaper feed should increase feedlot demand for feeder cattle, and probably boost the appetite of cow-calf operators to keep animals on the relatively lush pastures and ranges this year. Ample overall grain supplies also would make stockmen more likely to graze-out wheat pastures.

Long-term, these cattle will come off feed at heavier weights, which could weigh on cash and futures prices beyond the first of the year. High interest rates will continue to make feedlots hesitant to place more cattle. Since cow-calf producers already own the cattle and have no further interest charge, attractive finishing rates could encourage many to finish their own cattle at custom lots.

(Reports as quoted by markets)
PORT CITY STOCKYARDS
Sandy, Texas, Aug. 13

2,068 head received: Feeder steers, md frame 1 250-300 lb. \$83-87; 300-350 lb. \$78-83; 400-450 lb. \$70-70; 400-450 lb. \$88-72; 450-500 lb. \$82-88. Lg frame 1 500-550 lb. \$58-60-63.50. Md frame 2 250-300 lb. \$78-82; 300-350 lb. \$74-78; 350-400 lb. \$80-74; 400-450 lb. \$82-88; 450-500 lb. \$88-92; 500-550 lb. \$89-98. Lg frame 2 400-450 lb. \$83-85; 450-500 lb. \$80-83. Sm frame 1 350-450 lb. \$83-70 Feeder heifers,



HIGH HEIFER—The reserve grand champion and reserve senior champion heifer at '81 Expo in Rapid City, S.D., was L. Dominante 0150. This 3/10/80 daughter of CH Domino 439 is owned by Ryan Carlson, Spiritwood, N.D. (Staff photo by Jay Purchase)

YELLOWSTONE EXPOSITION
Billings, Mont., Aug. 16

HEREFORDS
Judge: Bob MacFarlane, Selmon, Idaho

BULLS, Senior and grand champion: Vanhuzen Hereford, Manhattan, on JV Domino 900, 3/12/79 by JV Britcher Don 644. Junior and reserve grand: Edward Hereford, Harford, Ark., on EPH Alpha 255M, 4/9/80 by ST L Adv RM. Reserve senior champion: Melmore Hereford, Gunnison, Utah, on M Kato 57D 360, 9/2/79 by TS 15E Stand Lad 5972. Reserve junior champion: Spickler Ranch, Groco City, N.O., on ST 035, 4/1/80 by S Titan 250. Bull calf champion: Wilson Hereford, Thompson, Wyo., on W L 1 Don 090, 9/8/80 by CL 1 Domino 587. Reserve bull calf: Colin Hereford, McKinney, Texas, on PB L Don 0144, 8/3/80 by FK L 1 Don 765.

FEMALES, Yearling and grand champion: Ken Baker's J Hereford Ranch, Ringling, Okla., on KB L 1 Dominante 072, 3/2/80 by LH L 1 Domino 357. Heifer calf champion and reserve grand: Vanhuzen Hereford, on JV Shirley 101, 1/12/81 by CL 1 Don 875. Reserve junior: Fadda Hereford, Manhattan, on FH Miss Domino 061, 3/30/80 by HH Advance 4770. Reserve heifer calf: Sherry Brown Lodge, Kansas, on MJB Ms Mover 0119, 9/21/80 by BTL 1 Advance 1473.

OROUPE, Gel-of-Idaho: Twin V Ranch, Inc., Gooding, Idaho, and Soldier Mountain Ranch, Wendell, Idaho, on the get of BB Domino 427. Best six head set of Hereford and breeding cattle paraded at the Yellowstone Exposition in 1981. The lambs numbered 43 head, the bulls 50. The show had depth and interest, and was the largest exhibition of beef cattle at the fair this year.

ANOUR
Judge: Steve Ralmer, Chamberlain, S.D.

BULLS, Junior and grand champion: Green Mountain Angus Ranch, Rapid City, on Patriots Particellon, 12/4/80 by Sayre Patriot. Reserve junior and reserve grand: K Plus Angus Ranch, Bassett, Neb., on K Plus Spit, 2/8/80 by Antonian Nuggel. Bull calf champion: K Plus Angus Ranch on K Plus Traveler 0544, 9/21/80 by Silver Plume Traveler 287. Reserve heifer: Rushmore Angus Ranch, Heimes, S.D., on Mr. Patriot 085, 2/27/81 by Calighers Patriot 909. Intermediate champion: Green Mountain Angus Ranch of Green Mt Solid Gold 0100, 7/5/80 by Mon Reposa Gold. Reserve junior: Ken Caryl Cattle Co., Red Lodge, on JD Buck Private, 9/2/80 by QLO Reonul. Senior champion: Stevenson Angus Ranch, Hoboken, on Callison Black Adventure, 4/2/78 by Dr Black William 1428. Reserve: Kuntzberg, 4/13/79 by Scheerbrook Shoshone 280.

FEMALES, Junior and grand champion: Green Mountain Angus Ranch on Patriots Pretty Lady 029, 2/12/80 by Sayre Patriot. Reserve junior and reserve grand: Stevenson Angus Ranch and Hilltop Angus Ranch, on Ellis of Hilltop 034, 3/24/80 by Ken Caryl Mr. Angus 8017. Heifer calf champion: K Plus Angus Ranch on K Plus Dynamite, Angus Ranch, on K Plus Dynamite, Aug. 058, 9/9/80 by Anthony

md frame 1-2 200-400 lb. \$56-58; 400-500 lb. \$54-50-58; 500-800 lb. \$54-57. Slaughter cows, ut. 2.3 44-48; 1-2 48-50.50; culler 1-2 42-46; canna end low cutler \$32-50-42. Slaughter bulls, 10-12 1200-1000 lb. \$51-50-58 50

EMPHORIA LIVESTOCK SALES CO., INC.
Emporia, Kan., Aug. 14

2,048 head received: Feeder steers, choice 250-500 lb. \$87-73; good \$83-89; common \$61-73. Good and choice 500-550 lb. \$68-87; common \$91-83; 450-550 lb. \$63-84; common \$69-80; 650-100 lb. \$62-84; common \$58-80. Feeder heifers, choice 250-450 lb. \$58-83; good \$54-57; common \$51-52. Good and choice 450-650 lb. \$57-60; common \$54-56; 650-800 lb. \$57-63; common \$54-56. Slaughter cows, hollerales \$53-56; ut. 4.42-48; canna 3.35-38; canner and culler \$36-40. Slaughter bulls, ut. \$51-55; canner and culler \$40-60. Replicomans, stocker bulls 400-700 lb. \$59-02; 700-1000 lb. \$55-67; stock cows 448-48; pairs \$600-575.

CENTENNIAL LIVESTOCK AUCTION
Fort Collins, Colo., Aug. 13

1,005 head received: Feeder steers, heavy 750-850 lb. \$92-83.20; lighter \$81.50-82.60. Cows 350-420 lb. \$57-50-70. Feeder heifers, 350-400 lb. \$59-84. Slaughter cows, 443-75-47; high yielding \$39-43. Slaughter bulls, \$57-59; \$53-55.

TORRINGTON LIVESTOCK COMMISSION CO.
Torrington, Wyo., Aug. 14

917 head received: Feeder steers, choice 600-700 lb. \$84-88; Feeder heifers, choice 800-700 lb. \$69-80. Slaughter cows, ut. and comm. \$44-48. Slaughter bulls, YG 1 \$52-58.

EL PASO LIVESTOCK AUCTION
El Paso, Texas, Aug. 8-11

580 head received: Feeder steers, choice yearling 450-800 lb. \$57-50; good to md. \$65-85. Calves,

CENTENNIAL HEREFORD NATIONAL JUNIOR SHOW
Rapid City, S.D., Aug. 10-12

Judge: Jack Evans, Nowata, Okla.
148 exhibited

FEMALES: Senior and grand champion: Jeff Holden, Abbeville, Mont., on HH Miss Advance M064, 2/28/80 by JH Advance 887. Reserve senior and reserve grand champion: Ryan Carlson, Spiritwood, N.D., on L1 Dominante 0150, 3/10/80 by CH Domino 439. Calf champion: Sherry Brown, Lodge Grass, Mont., on MJB Ms Mover 125, 2/12/81 by HH Advance 1473. Reserve calf champion: Joel Bekor, Ringling, Okla., on Miss Dominante 0144, 189, 9/19/80 by Antonian L1 278H.

CENTENNIAL HEREFORD ROM EKO
Rapid City, S.D., August 10-12

Judge: Bill Jacobs, San Luis Obispo, Calif.
298 exhibited

BULLS: Grand and senior champion: Lons Star Hereford, Henrietta, Texas, and Ken Baker's J Hereford, Ada, Okla., on KB L1 Domino 907. Reserve grand and senior champion: John Vanhuzen, Manhattan, Mo., on JV Domino 987. Calf champion: Werry Bohn, McKinney, Texas, on PB L1 Domino 0144. Reserve calf champion: Tarr Barber, Channing, Texas, on BR L1 Domino 0100. Yearling champion: Uffe F Ranch, Sterling City, Texas, on HH Advance MO 30. Reserve yearling: R.J. Weaver, Connell, Wash., Adams Bros. and Lons Star Hereford on Star Mark Donald ET.

FEMALES: Senior champion: Ron

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FOR SALE: 1,620 Brangus cows, 240 Brangus heifers to calve September 15, 1981. 200 heifers to breed the winter, 120 Brangus and Hereford bulls. All or part, truck loads only. Cattle may be purchased yearlings available. 209/665-1659 or 805/485-9182.

BRAHMAN BULLS
Yearlings, two, 3-year-olds, Greys and Reds. Our bulls will be the good, F1, fast growing calves. Bud in the west.

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STOCK DOGS
Queenland Kelpie cross, both parents are registered. Kelpie is a grandson to Caesar. Weaned June 22, 1981. \$150 each. Linda Seely, after 8:00 p.m. 707/495-9397, Suisun, CA 94585.

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SINGLE BUCKHORN for lamp wagon. Gary Mitchell, Thom, Nevada. Full time Grayson Ranch, Ill. 1.

MAN WANTED for permanent ranch job. Wife to cook for crew. Husband to be general ranch work. Experience necessary. References. Phone: 303/773-4202 or 723-4322.

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